

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Charles R. CHIP Veres 305-532-4515" <VERESC@mail.firn.edu>
Subject: Re: 11-PIN CONNECTORS AND SUCH
Message-ID: <D1394ZWLP8NSY*/R=FIRNVX/R=A1/U=VERESC/@MHS>

Fred Schmidt of Typetronics is a neighbor of mine, and just as nice to the locals as to his mail order customers. Good stuff, good prices, and fast friendly service. (No, he's not my uncle!)

73, Chip

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: 2 rigs forsale/Valiant& Gonset
Message-ID: <UPMAIL03.199608300044170959@msn.com>

gang, I had to many reponses for my little sale offer last nite. The owner is waiting for some DOLLAR figures. Some replied the Valiant is worth 200 and about the same for the Gonset. REMEMBER, I haven't seen the equipment, but might meander over this week end, he only lives about 4 miles from me. Let him stew on it....
More to come
Al Fritsche
fritsche@msn.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Steve Miller x6078 <smiller@motown.lmco.com>
Subject: 30L-1 black plastic trim
Message-ID: <199608300007.UAA16217@bear.motown.lmco.com>

I am looking for the black pastic trim (escutcheon I think it is called) that is surrounds the tune and load controls. The 30L-1 (found in a Pa. Barn) has of all things a "fake" trim ring. It is made from a solid steel plate cut to the shape of the real thing, however it is solid and not open in the middle where the plate goes for the tune and load controls. Did notice it until I had this amp side by side with another. Don't know how it got that way but thought it would be nice to get the real thing. Anyone got this from a basket case or know where I can find it?
Thanks in advance
Steve Kd2Ed
smiller@motown.lmco.com or BGMill@aol.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: fseguin@world.std.com (Fredrick H Seguin)
Subject: 51J4 mechanical-filter-switch cleaning?
Message-ID: <199608292257.AA08618@world.std.com>

Four years ago I spent several months fixing up a 51J4
(replacing a bad product detector circuit with original audio circuitry;
rebuilding and calibrating the PT0; chasing down missing parts; aligning;
generating a dial scale by computer; etc.; etc.; etc.; etc.).

The result was wonderful, except for one last thing I was too fatigued to
attack. The mechanical-filter switch seems to be dirty; moving it results
in static, and it frequently has to be wiggled to make it quiet down.
Getting at this switch is nontrivial, since it is completely contained
within its own compartment. I tried removing the rear plate of this module,
but that doesn't provide access to the switch (which is behind an internal
shield).

Before I start on a major disassembly, I was wondering if someone who has
done it before could tell me if it is worth the trouble. The basic design
of the assembly, as a retrofit to the 51J3/R388 chassis layout, leaves
something to be desired; is the switch well made and returnable to good
operating condition? The manual has no illustrations of the inside of the
module; how messy will this job be, and how long might it take?

Thanks in advance for any helpful comments. If I can get this last task
finished, I may even get ambitious enough to try to fix the R388 from
which the 51J4 got parts transplants.

----- Fredrick (ex WA9GR0) fseguin@world.std.com or seguin@pfc.mit.edu

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: 6 mike caps for 100V ??
Message-ID: <199608301432.JAA08072@mail1.i1.net>

Greetings all, As usual I have probably overlooked a good source
while looking through all the catalogs and such I have. But I can
not find replacements for the 6 uf caps in the cap module in the
audio section. Any suggestions? 73, Mike

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: kenc@smartdocs.com (Ken Corwin)
Subject: A.R.C. 14321 Plug Needed

Message-ID: <199608300522.WAA24076@warp10.smartlink.net>

Hello, All-

I need an A.R.C. 14321 plug.

This plug has two female contacts, a top center key, a grommet where the wire exits and a barrel diameter of about 3/4-inch. They were used for DC power input to A.R.C. R-10A; R-11A (R-510/ARC and R-511/ARC); R-15 (R-509/ARC); and R-19 (R-507/ARC and R-508/ARC) Type 12 receivers and to the E-14 rack in Type 15D and 15F nav-coms.

Please email me direct if you have one of these and are willing to part with it.

Thanks very much.

Ken Corwin (kenc@smartdocs.com) Santa Clarita, Calif.

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Alexanderson alternators
Message-ID: <9608301910.AA21986@feller>

- Greetings -

Several folk have pondered the practicality of building a 'modern' version of the Alexanderson machine beginning with an auto alternator. The Lundel rotor from a Delco alternator sitting on my bookshelf has 7 pairs of poles. In the auto application, the drive pulley is maybe one-third to one-half the crankshaft pulley diameter. An engine red-lined at 6000 rpm turns the alternator at 12,000 to 18,000 rpm, or 200 to 300 rev/second. This times 7 magnetic cycles per revolution yields 1400 to 2100 Hz. It may work for u lowfers, but most will want a higher frequency. With the six diodes in the 3-phase full-wave bridge rectifier, it seems reasonable that some systems pick up alternator whine in the audio range.

I fear that someone will return with the terrible idea of going to Warsaw to look for an alternator with more Poles. Not me, I would never say that.

73

Rhett - KE4HIH

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996

From: philip mccooy <dgnova@erols.com>
Subject: BC-1206
Message-ID: <199608302020.QAA26353@smtp1.erols.com>

On the BC-1206, 3 different manufacturers made these things. Setchell Carlson Inc made the best one, which you have. Detrola made one using octal tubes, 6K7 6SA7 etc. Ranger made the worst one. These sets were arranged so that they could be mounted in a standard 3 1/8 inch aircraft instrument mounting hole. If my memory is correct I believe they were used by pilots ferrying airplanes over seas. This may be incorrect however.

dgnova@erols.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: Re: BC-348 RF amp mods
Message-ID: <Pine.ULT.3.95.960829201908.22479A-100000@admin.aurora.edu>

On Thu, 29 Aug 1996, James B. Beyer wrote:

>
> Due to what is called "partition noise" the noise of a pentode
> is typically 3 to 5 times greater than that of a triode.
> The sensitivity of a superhet is directly proportional to its
> noise factor.
>
> For any reasonable gain in the rf stages the noise factor can
> reduce to that of the first stage only. If the 1st rf is pentode connected
> its higher noise-factor will dictate the system noise-factor and likely
> reduce the sensitivity despite the increased gain. I don't know the numbers
> for the BC-348 but I suspect that the 1st rf stage is triode connected for
> a very good reason. I would not make the suggested changes without
> carefully measuring the resulting noise floor. If anyone has done this, it
> would be interesting to know the results.

Jim brings up a good point here. I wish I had made measurements on my 348 before doing any mods. Anyway, tonight I decided to make some measurements on mine as is with the front end mods. Now I have never made "real" measurements on any other than FM receivers so was trying to figure out how to do it. The handbook mentions MSD (minimum discernable signal) as one way to measure noise floor. It says to increase the generator output until the receiver output increases 3 dB. Well obviously

the RF has to be modulated for that but nowhere does it say what modulating frequency (I assume 1000 Hz) or what percentage modulation. Anyway, with 50% modulation, I get -119dBm and with 99% modulation I get -121.7dBm. So I can hear a signal less than .2uV which I would say is not too bad.

I switched the modulation off and went to CW mode. I could easily copy a CW signal at .1uV. This is with a product detector mod.

Anyway, can someone tell me the proper signal generator characteristics for doing the noise floor measurement?

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Michael Hanz" <hanzm@ncr.disa.mil>
Subject: RE: BC-348 vs RA-1B
Message-ID: <9607298413.AA841365093@ncr.disa.mil>

As Richard Humphrey wrote:

>My heavens, no. That's not a pentagrid converter in there...

As frequently happens here on the list, both Richard and Tom are in violent agreement and are both right. The 348Q/J/N variant does use a 6SA7 in a pentagrid converter circuit. The RA-1B uses a true pentagrid mixer circuit, but they're both within 10k ohms of the same noise resistance (220k) according to the Langford-Smith, so the distinction is somewhat moot. A 6SB7-Y can cut that by 75%, but that's a plugnplay substitution only for the 348Q/J/N.

Thanks to a 1939 book from Don Merz, who knows of my focus on military aircraft equipment, it appears that the RA-1B might have been the only general coverage receiver Bendix made for aircraft in the WWII time frame. The other models described (RA-2, 4, and 6) were focused on DF/range receiver or mid-HF frequencies (3-7Mc), a business strategy Bendix evidently found profitable and continued to follow in the later and more well known receivers (RA-10, MN-26.) The only other one that covers a wide continuous range is the receiver section of the RTA-1 transceiver, and it's preset channel-bound. Sort of curious, in light of the TA series of transmitters ending up with the more common TA-12 series. For the most part they had a freq range more compatible with the RA-1B.

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: Re: Brake
Message-ID: <2.2.32.19960831045859.00693900@earthlink.net>

At 08:06 PM 8/27/96 -0500, you wrote:

> There were some postings about bending brakes to form chassis
> and boxes, and one was offered for sale here also. Today I checked
> a few tool companies and Enco has a small brake 18inch wide, bends
Do you have the contact info for one or more of the companies that sell the
Enco brake?

Thanks,
Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com CI\$: 73340,2015

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: ks0f@i1.net (MIKE SANDERS)
Subject: CE100V continued.....
Message-ID: <199608300140.UAA15738@mail11.i1.net>

Greetings again,

Finally found the article in ER in this months issue. Can't believe I missed that! It led me to the article in issue #30 by Petrich. I did the battery elimination mod as per this months issue with the 8 diode stack. Worked great. Now I have tackled the poor carrier supression situation. Someone posted to me asking about that. At this point I see about 35 db according to the meter in the 100V. I have not tried to check it otherwise. I have pulled the Cap module and now need to find a source of replacement caps. Have also pulled the diode module and found two open. Pin 2 to 5 and 6 show open. I have not pulled it apart yet to check internally. Boy did I destroy the can on the Cap module. Thats going to take some doing to find a replacement. Same reason I have not pulled the diode module apart yet. Anyway progress is being made and that is what counts. Got several nice posts from owners of the 100V and am grateful to all. Lots to check, lots to clean and lots to do. Will keep you all posted of progress. Interim thoughts go to a mating rx. I have many but have not decided what I want to use with it. Don't have an A4 but they sure look nice together

in the photos.....Uh ohh.....73, Mike
ks0f@i1.net

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "F r6fqHo!ht" <75121.100@CompuServe.COM>
Subject: re: class lecture
Message-ID: <960830085722_75121.100_IHV42-3@CompuServe.COM>

Ditto on the class lecture and the great resources we have here on the BA list.

Every 'good' lecture that is shared here is archived on my Hard drive and I re-read them every couple months. I learn something new each time.

Thanks all

Regards from Hawaii,
Raymond J. Cote

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: sbrovas@tir.com (sbrovas)
Subject: Collectable HYGAIN Rotobrake Repeater
Message-ID: <199608302206.SAA04142@tir.com>

Ok,

I peaked your curiosity... This is an old Hygain Antenna repeater. It ties in to the antenna rotor box and puts a beam heading from the USA on portions of the world. It is multi colored. Has a little bubble or two of pieling paint from world map, but is in vgc+/EXC- condition. It is the size of a goodsized clock and is a collectable. If interested, price is \$65 shipped UPS.
73's de WA1APX/8 Bill, sbrovas@tir.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: davemed@ix.netcom.com (David Medley)
Subject: Collins S-Line knobs
Message-ID: <199608292218.PAA14089@dfw-ix7.ix.netcom.com>

There is a big shortage of main tuning knobs for S-line equipment. I have been quoted prices as high as \$120 per knob, the lowest being \$60 but even at these prices they are not readily available.

Now I have two radios with knobs which are somehow off center. In other words they wobble as you spin them. This should be fairly easily fixed if

one had access to a lathe by turning out the brass insert enough to run true and then inserting a shim of some kind to get back to the 1/4 inch shaft size. Is there anyone out there who would like to help me with this problem. It is obviously worth paying something to get these fixed in the light of the price of new ones.

73 de Dave KI6QE/7

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: sbrovas@tir.com (sbrovas)
Subject: Drake MS-4 Sale
Message-ID: <199608302205.SAA04121@tir.com>

Hi All,

I have a nice condition Drake MS-4 for sale. \$45 shipped UPS.
73's de Bill, WA1APX/8 sbrovas@tir.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Laird_Tom_N@90.deere.com
Subject: Dynakit
Message-ID: <H00005a003493008@MHS>

> Does anyone know who was looking for Stereo 70's on the list?
> Someone posted a request for old Dyna tube amps and I have
> an original Stereo 70 and PAS-3 preamp for Sale/trade.
>
> (always looking for BA's!!)
>
>
> Glenn N2BJG GFINER@NMS.COM
>

Hope this is going to Glenn only, Just got moved to HP Openmail and not sure if a reply works like my old system?

Glenn, I'm interested in the Dynaco ST-70

Tom Laird WC9M Moline, IL
TL39597@deere.com
309-765-5777 days

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: k7yha@juno.com (Richard H. Arland)

Subject: Re: EF Johnson

Message-ID: <19960829.230438.4447.5.k7yha@juno.com>

On Mon, 26 Aug 1996 16:32:23 -0500 (CDT) Bob Roehrig
<broehrig@admin.aurora.edu> writes:

>On Mon, 26 Aug 1996, Dale Braun wrote:

>

>Speaking of Johnson stuff:

Yeah, speaking of Johnson stuff.....I am looking for a Valiant or
Ranger-II in VY Gud to Exc condx to use as my AM rig with the HQ-170 I'm
restoring. Anyone got a rig they wanna off-load?

73 rich K7YHA

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: Peter Ferrand <petef@sprynet.com>

Subject: Final amplifier problem, part three(long)

Message-ID: <2.2.32.19960830034218.006b8d9c@m3.sprynet.com>

Last week I posted a message of desperation seeking help with a low power
output problem from my Globe Champion 350 transmitter.

I'm happy to report that the problem has been solved and I am very grateful
to about a dozen BA list members who very kindly pitched in with suggestions
and instruction.

This problem came up as I was completing the conversion of the output stage
on the rig from a pair of AX-9909's to a single 4CX250B. It seemed like the
best possible replacement, not only because I already had several, but
because the published ratings were almost exactly what the rig supplies. The
tube is, of course, cheap and plentiful as opposed to the AX9909's which I
understand are \$250 a pair from AES. When I got the rig a couple months ago,
only one tube was functional, so I have no experience with the original
operation.

The problem was power output that was around 125 watts, with an indicated
power input of around 300 watts, changing a bit of course from band to band,
but way below what other users report for output from the stock rig, which
is 175-180 or so.

The problem turned out to be an output tank coil which had absorbed enough
crud of various kinds to reduce its efficiency. The fan blows air directly
across the coil and plate choke, and upon thoroughly cleaning and baking
those parts the power came right up to where it should be. I'm told some
WRL/Globe rigs have cardboard output tanks; this one has a ceramic coil that

looks like a National, (has screw-type taps in holes in the form) but I'm not sure my memory is correct—at any rate the plate choke is a National.

This so far has turned out to be a reasonable conversion and a few AM contacts thus far show the modulation to be fine and neutralization and so forth working to specifications.

Several correspondents suggested raising the plate voltage to increase power and efficiency. I had to point out that I wasn't trying to optimize the set, but trying to get the system to meet specs. I was following the Eimac app notes for this tube, and it should have, and ultimately does, meet published specs for operating at the 1000 (actually, 940) volts supplied by the rig. My feeling is that raising the voltage would imperil the modulation transformer and probably other parts. Anyway, Eimac's specs for 1000 volt operation are perfectly appropriate and the tube works fine and should last a long time.

The output now is apparently limited by grid drive which is 5-10 mils shy of optimum but probably not worth bothering with for a few more watts out.

By the way, if someone can spare an SK-606 chimney and the anode ring I'm interested. I'm using a nylon wire tie to hold a copper strap around the anode contact, and yes, it works just fine but isn't quite mil spec, hi.

I also described how detuning the Johnson matchbox would allow the Bird wattmeter to show well over 200 output watts. Several folks correctly pointed out that wattmeters read high when they are not working into their design loads, BUT that wasn't the point I was trying to make. I was trying to illustrate the operation of the output matching network of the Globe, since that was critical in assessing efficiency. The wattmeter reading high only happens with some rigs, such as the Globe, which uses a traditional pi network. With my CE 100V and Mackay transmitters, which use a broadband output network, it does not matter how the Johnson Matchbox is tuned, the Bird always reads the rig's correct output.

One other major discovery let me to question my own memory of how we did things back in the good old days—your ideas are welcome.

The meter on the Globe front panel is labeled "plate" but what it really reads is the drop across a .25 ohm shunt between the final cathode and ground. That, of course, includes the grid currents, that in this case can run to 40 mils for the screen grid. BTW, the original tubes were pentodes; the 4CX250B is a tetrode.

Tried measuring the actual plate current with a digital meter at the cold side of the rf plate choke.

When the Globe's front panel meter reads 280, the actual plate current is

220 with 950 volts to produce (say)140 watts out on 20 meters. This makes the rig's plate efficiency look a lot better.

So folks, what did we do in the old days before truth in advertising, when rigs seldom stated output power??? The manual is silent on this point. I did look at a Valiant II, a Viking I and Thunderbolt manual, and though I hate tracing meter circuits I don't think they measure cathode current.

I seem to remember that we did not take grid currents into account when figuring legal limit rigs when the legal limit was 1 KW input, but then I never had a class C grid-driven tetrode KW rig to worry about.

Which brings us to today where a major setback is impeding further tests.

Using 811As is a lot easier and cheaper than using 809s for modulators for this rig; and I already have the 811s. However the 811A takes 4 filament amps each and the 809, 2.5. Thus a new filament transformer is indicated.

The 350 schematic shows a conventional circuit where the modulators are fed from a center tapped 6.3v transformer. The center tap goes through a .25 ohm shunt to ground, the shunt being used for modulator current metering.

Well that isn't the way the unit is wired - there is no center tapped winding. There is only a single winding, each side of which is connected to the filaments, of course, and one of those sides goes through the shunt to ground. The traditional handbooks say this will cause hum, but I didn't hear any.

What it did cause is confusion and because I didn't realize what was going on I hooked it up all wrong and ended up putting the transformer across the meter and the shunt, burning up both :-)

It broke the meter needle and there's no continuity across the meter.

Bah Humbug. I am NOT happy.

Does anyone know what kind of a meter this was??? There is no manufacturer and no teeny little numbers at the bottom stating the current rating. Parts list is useless. Of course if anyone has the correct meter I would be ecstatic and it would help prevent this from becoming another Allan Fritsche - class project. :)

When and if I get this thing going and put together and running for a while, I will publish the details of how I did the tube change mod, which is a no-holes mod that only required five soldered connections to the rig. E-mail me privately if you want to know about it sooner.

Again, thanks to all for the help and contributions. Hope to see as many of you as possible at Gaithersburg.

73,
-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: For sale the Valiant and the G-76
Message-ID: <UPMAIL03.199608302056200298@msn.com>

Gang, going to pick up these units in about 2 hours, Will have at home sometime tonight and will send an evaluation some time tomorrow.

Ive had many responses and there is no way I can reply to all without spending 4 hours of my time. I am on Vacation next week, mainly to have some work done on my? house(S__, Its not mine till I have paid for it.)
will give full report then and negotiate. BTW, will probably keep the Valient.
Just a guess on my part as it sight unseen.

More to come
A
fritsche@msn.com
Houston, Texas .

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: don merz <71333.144@CompuServe.COM>
Subject: FS
Message-ID: <960830141722_71333.144_DHB56-2@CompuServe.COM>

For Sale

CONTACT: Don Merz, N3RHT: 47 Hazel Drive, Pittsburgh, PA 15228.
412-234-8819 (weekdays, EST or leave a message anytime).
71333.144@compuserve.com

Faust Gonset creations....

Gonset G-50 6 meter base station. VFO receive and transmit with manual photocopy. Receiver works, transmitter untested but preseumed to work also. All original but has its share of scrapes and scuffs. Nice style with cream-colored paint and blue/gray knobs. \$65

Gonset Communicator IV/6 Meters. The last of the Communicator line with low-slung metallic gray cabinet, black front panel and silver knobs. Built-in AC/DC supply but I only have the AC cable for it. Excellent cosmetic condition and working. All original. \$145

Gonset Communicator IV/220mc. Another one of the IV line with styling identical to the 6 and 2 meter models (and to the G-76, BTW). This one seems to work though there sure isn't any 220mc AM activity around Pittsburgh. The front panel is excellent but the cabinet has many paint chips, especially around the front bezel. Very few of these 220mc models were made and this is a prettty rare item. \$115

WANTED

HRO 5TA-1 coils, any except 14-30mc
HRO 5TA-1 manual copy. Apparently, this must be specifically for the "A-1" model because my HRO 5 & 5T manual is not an exact match to this rig.

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: Tom.Daley@530.gigo.com (Tom Daley)
Subject: fs: 2 ssb transmitters (prices lowered)
Message-ID: <aa7_9608300804@gigo.com>

hello ba people the following is still for sale, prices lowered.

1. drake t4xb hf ssb transmitter, good condition, works good, no mods. front panel in good shape with wear on main tuning knob, case has some scratches, with original manual. with ac4 power supply. spare pair of used finals. \$115 or \$65 each for either the ac4 or the t4xb alone.
2. kenwood t559 hf ssb transmitter, covers 80 thru 10 meters, ssb/am/cw, works but needs ruber belts for driver and final grid tuning. front panel is clean and looks great, case has some scratches and missing some screws. with both owners and service manuals. \$80

*

all above is plus shipping - they gotta go ! thanks tom

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: Fidonet: Tom Daley 1:203/530 .. speaking for only myself.
: Internet: Tom.Daley@530.gigo.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Greg Carter <kx4r@atl.mindspring.com>
Subject: FS:ARRL HB and Gonset
Message-ID: <199608310003.UAA18970@itchy.mindspring.com>

Hello Gang !

I have the following 2 items which might be of use to someone here :

1. 1968 ARRL Handbook, cover worn (not too bad), binding edge creased, but complete and internally excellent.
\$12 or trade for 40,41,44,45,54,55 ARRL HB's
2. Gonset Tri-Band Mobile Converter
Provides 10,20, and 75 meter coverage for your car AM BC radio.
Uses the following tubes: 6AT6, 6CB6, 6C4, 6BH6
size: 3.5h x 5.25w x 5.25d "
I have no manual for this one but it looks rather straight-forward,
just plug car antenna into converter, converter into car radio antenna
jack and apply power from the fuse panel .
Cosmetically good....6 to 7 on scale of 10. some scratches but dial is
nice !
\$15

Please add a couple bucks shipping and reply direct if interested.

Tnx and 73 !
Greg KX4R
kx4r@mindspring.com
Taylorsville, Ga 30178

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: GE NE-79
Message-ID: <32279287.1D3D@ghgcorp.com>

Hi folks...

Buried in the box of tubes I brought home from Austin was this humongous red lensed indicator lamp. It has inside it a General Electric NE-79 neon bulb. Socket says 120 VAC, but I am hesitant to plug it into 120 VAC as every other neon I have ever seen uses a series resistor. Can anyone provide operating voltage for this bulb? It's too cool not to use in some project. None of my reference books list it.

Thanks in advance and 73!
-Ben

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From the computer of
Benjamin D. Hall, Houston Texas
BDHall@GHGCorp.com -or- BHall@GP802.JSC.NASA.gov

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>
Subject: Greymark Regen Kit
Message-ID: <322763D8.5443@ghgcorp.com>

Hello all...

The assembly of the Greymark Regen continues. Would the "B" band coil and am currently listening to WWCN in Nashville. Not exactly my favorite station, but at least I know I wound the coil correctly!

Sounds nice. Even had it doing a few words of SSB, but it doesn't have stability worth a hoot! But then again, cannot expect a chicken to lay a golden egg you know...

More to follow as I wind the "C" coil...

73,
Ben
--

From the computer of
Benjamin D. Hall, Houston Texas
BDHall@GHGCorp.com -or- BHall@GP802.JSC.NASA.gov

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: George Humphrey <gah@topher.net>
Subject: Halicrafters Receiver Question
Message-ID: <199608301824.NAA15636@mail.topher.net>

BAers,

I saw a really trashed out Halicrafters S'wave receiver today at a junk store. It has a model number of C5-10A or 5C-10A. Is anyone familiar with this unit, its' age, ease of getting knobs, tubes, etc. and a rough idea of worth? I know they are worth what the buyer thinks they are worth, but I have no idea. Will it pull in enough to make it worth while to restore?

Thanks for you help,

George

George Humphrey ****Every day you wake up****
gah@topher.net **** is a GREAT DAY ****
Emory, TX, USA **** Be Happy and Smile ****

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: George Humphrey <gah@topher.net>
Subject: Ham
Message-ID: <199608301501.KAA13299@mail.topher.net>

Hi BAers,

I'm studying for my first license, a tech+, and my young son-in-law comes up with the obvious question and completely stumps the old man. I have been hearing the term "Ham" for years, but never really wondered what it stands for or where it came from. Dumb, I know, but I got to ask? Please be kind to the newbie.

Thanks,

George

George Humphrey ****Every day you wake up****
gah@topher.net **** is a GREAT DAY ****
Emory, TX, USA **** Be Happy and Smile ****

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: fbsnyder@mail04.mitre.org (Forrest B. Snyder Jr)
Subject: RE: Ham
Message-ID: <960830124012.7469@mail04.mitre.org.0>

George H. wrote, in part:

>...my young son-in-law comes up with the obvious question and completely
>stumps the old man. I have been hearing the term "Ham" for years, but never
>really wondered what it stands for or where it came from. Dumb,... but I got
>to ask.

Some will say it came from Great Britain, where, in the early days of Amateur Radio, our British brothers who were smitten by the hobby got into the habit of referring to one another as "Am", for amateur. Other Brits, assuming they were using the Cockney pronunciation, added the missing "H", giving "Ham".

Others will say that the expression came from the theater where amateur and low-quality professional actors are called hams, and to over-act is to "ham it up." This word could then be logically extended to include less-than-professional wireless operators in the early days of radio.

Still others will cite testimony before Congress during initial attempts to license radio operators and control access to the airways. In an attempt to allow amateurs free access to airwaves, the story goes, one congressman cited the plight of an amateur station, call sign HAM, which could not afford the proposed license fees and would therefore be forced to cease operations forever. In a moving speech, the congressman pleaded the case of the little station HAM. The story was picked up by the wire services, and the story of the "HAM" station was published nation-wide, resulting in all amateur radio stations becoming known as ham stations and their operators as "hams."

Bottom line: Nobody can say for sure why we call ourselves hams, since sugar-cured pork we sure ain't. But it's still fun to try to find out.

Good luck and have lots of fun with your new hobby!

Forrest B. Snyder, Jr
N4UTY fbsnyder@mitre.org
RCVR: BC-348-R
XMTR: Johnson Adventurer -- 50 W to a single 807
Johnson Matchbox
40 Meter Center-fed Zepp between two trees at 30 feet
"Sure, it's 1936 technology, but it's GOOD 1936 technology!"

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: Ken_Warren@beavton.k12.or.us (Ken Warren)
Subject: Re: Ham
Message-ID: <1806839.ensmtp@beavton.k12.or.us>

That question has come up many times over the years with about as many different answers. The one that I like the best is that the word Ham is made up of the first letter of three famous early radio experimenters Hertz, Armstrong and Marconi.

Ken Warren K7RPX

Ken_Warren@beavton.k12.or.us
KenwK7RPX@worldnet.att.net

--

Beaverton School District
Beaverton, OR

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Andy Wallace <wallace@mc.com>
Subject: RE: Ham
Message-ID: <9608302037.AA03107@taku>

..I thought it was because our shacks look like pigsties...

--Andy
wallace@mc.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Neal McEwen <nmcewen@metronet.com>
Subject: Re: Ham
Message-ID: <3227945F.2140@metronet.com>

Concerning the origin of "Ham":

from "The Telegraph Instructor", 1901, by G.M.Dodge who ran the famous Dodge telegraph school in Indiana. (six month training in telegraphy, penmanship and typing, with room and board for \$80 total)

"Definition of Technical Terms Used in Railroad and Telegraphic Work

...

Ham -- A telegraph operator, who is not proficient.

.."

19th century telegraph operators used the word "ham" or "plug" as a term of slander. Some of the first Wireless (radiotelegraph) operators came from the ranks of landline telegraphers. Early wireless operators used both American Morse and Continental Morse (and the Navy code). It is purely speculation on my part, but surely the term "ham" came with the operators.

Commercial wireless operators and amateur wireless operators shared the same air space. The commercial operators resented the interference to their revenue earning activities. Surely they used the word "ham" to vent their frustrations! (again speculation)

--

73 de K5RW, Neal McEwen nmcewen@metronet.com - Richardson, TX (Dallas)
WWW Page for Telegraph Key Collectors and Historians

<http://fohnix.metronet.com/~nmcewen/ref.html>

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Greg Carter <kx4r@atl.mindspring.com>
Subject: Harvey-Wells TBS-50C
Message-ID: <199608310003.UAA18967@itchy.mindspring.com>

Greetings from Taylorsville, Ga !

I have just acquired the above subject transmitter and as luck would have it, no manual. Will gladly pay shipping/copying costs if anyone can help !

The power supply for the transmitter is supposed to be on the way also. So now I'll have to find the matching VFO (fat chance, huh !)

My question is this....what is the difference between the 50C and 50D models ? I've read the ER article and no mention was made (the photo showed the C, which is the one I have). Were there any other models ??

I haven't yet opened the rig up to see the inside, but the outside is very nice...a conservative 8 cosmetically ! Maybe this transmitter would be a good companion for my HQ-129-X which I suppose is from the same period.

I guess this will be another project for a rainy day since I already have many "bricks in the oven" so to speak. At the rate I'm going, I estimate I'll need approximately 1 1/2 years of rainy days to catch up !!

Tnx for any help and regards from NW Georgia !

Greg KX4R
kx4r@mindspring.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: HQ-170 - Round 2
Message-ID: <19960831.024148.4439.1.k7yha@juno.com>

Gang:

Thanks to all who replied. Here's what happened on the old workbench today.

Went for a complete IF alignment (although I did that a couple of days

before) with the following results. 60KCs 3rd IF aligned FB. 455 KC 2nd IF was starting to align but all of a sudden, things went REALLY wrong. Could get nothing thru the 455 KC chain at all. Placed the signal source (an HP 606C set to 455 KC at 0dBm) on the grid of the mixer (V2) and could get nothing out. Back tracked to V4...injected 455 KC and could get T5 and L4 to align. Moved ahead to V3 and can get nothing out of T3 or T4. Suspect either a bad 6BE6 (replaced with one from the "parts" radio...but unsure as to whether that one was a good tube or not) or bad set of transformers T3 & T4.

In an effort to "pre-tune" T3 and T4, I placed the signal gen on the input to T-4 and put a scope on the output of T4 and was able to get a response, although not too sharp. Did the same on T3....the top slug was VERY broad in peaking and could get no response from the bottom slug at all. Suspect T3 is bad for sure, and possibly T4.

We are on track, but a long way from the finish line. Again, thanks to all who commented with ideas. Between your collective help and the manual I should be able to get this Hammer up and running sometime before the turn of the century.

73 rich K7YHA

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: k7yha@juno.com (Richard H. Arland)
Subject: HQ-170AC Restoration (I'm losing my mind!)
Message-ID: <19960829.222456.4447.1.k7yha@juno.com>

Gang:

Had a day like no other today. Got the HQ-170 playing on all but 20 & 15 mtrs.

Alignment is weird. Following instructions in the manual, I aligned the low and hi end of each band (except for 20 & 15....more on this later) using the osc transformer for the lo end and the osc trimmer for the hi end.

My problem (one of them, that is) is that the linearity of the tuning range SUCKS! I can bring the tuning range in at the bottom end, and when I align the top end, it is off by as much as 50 KHz!. Going back and forth from the lo to hi end of each band (like the good little superhet repairman that I am) is an exercise in frustration. The movable dial calibration disks almost, but not quite, make up for the bad linearity.

80 meter calibration at the hi end (4.0 Mhz) also has me puzzled. I am at the top end of the tuning range of the piston osc cap....and I am still

almost 20 KHz too low to achieve proper calibration....not that it matters....after aligning the hi end, I go back down and the lo end is way off, again. Man, I'm beating what's left of my brains out!

One other thing that puzzles me on this alignment: There seems to be an image signal on the three lo bands as follows:

1.8 Mhz + 15.5 KHz
3.5 Mhz + 30 KHz
7.0 Mhz + 12.5 KHz

:Now these images appear when the low end is calibrated and I run the main tuning dial up the band.....a second signal appears where indicated above. Am I possibly on the wrong side of the L0?

Now about 20 & 15 meters: neither of these bands work. I can place a signal at 21.093 MHz into the antenna jack, peak the 15 mtr antenna and RF coils, but this signal has nothing to do with the local oscillator. I cannot get it to move using either of the trimmer adjustments. Its just there at 21.093.

Injecting either a 20 or 15 meter signal into the receiver yields nothing (except noted above). It is like the local osc isn't (Remember Murphy: all amplifiers oscillate and self-starting oscillators won't!). I need some suggestions from the Hammerlund Brain Trust.

I just knew that the restoration (the physical side of it, anyway) was going TOO well!

Help!

73 rich K7YHA

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Gary N. Anderson" <ganderso@iu.net>
Subject: HT-37/HT-32 2nd Harmonic Ouput on 80 m
Message-ID: <199608310213.WAA14686@bb.iu.net>

Has anyone ever seen significant (greater than -20 dBc) 40 meter output when running a Halli HT-37/HT-32 on 80 meters?

Am working on an HT-37 that I thought was "finished." Took a look at the 80 meter spectrum and found a large 40 meter component. Furthermore, if the plate tuning capacitor is adjusted to where it should be for 10 meter operation, the tank circuit will resonate on 40 in the 80 meter position. This tuning will produce about 10 watts on 40!

The alignment (which was completed before I found the problem) looked and felt normal---everything peaked smoothly. I've measured the fixed loading caps.....they are OK. (Yes, I'm into a VERY good 50 ohm load). Operation on all other bands is normal.

So, for questions:

1) If anyone has an HT-37/32 in the shack, and you load up in the 80 meter position in DSB mode, do you see an output peak if you rotate the tuning capacitor to the 10 meter position, leaving everything else as it was? (In other words, is this normal? I assume not, but I'd like to be sure.)

2) Apparently, at some time in history, something blew up in the driver output. There is some "residue" on the switch wafer. I've cleaned it as best I can, but sometimes that is not enough. I'm thinking that if part of this wafer has become resistive on me, it might lower the Q of the driver circuit sufficiently to contribute to the problem. (I once had this happen to the insulation on the relay in this Xmtr [same material as the switches] and rebuilt it with sheet teflon. Wish I could play the same trick here.) Anyone have one of these rotary wafers laying around? An HT-32/37 for parts?

Many thanks!

Gary N. Anderson====>Palm Bay, FL====>Amateur Call:

WA4IVF

(Also history, astronomy, cycling, ad infinitum.)

"Always do right. This will gratify some people and astonish the rest."
Mark Twain

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996

From: "Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM"

<RAGAIN@hubvx6.sedalia.wireline.slb.com>

Subject: Information on Setchell-Carlson BC-1206

Message-ID: <960830091447.2502e9a3@hubvx6.sedalia.wireline.slb.com>

Thanks to everyone who replied to my query about the BC-1206. I got back a lot of great information back. The following reply contained some additional historical information that I know the group will enjoy reading (thanks Dave!):

Bob

<Subj: The BC-1206 LF Receiver

<Between the late 1920s and on past Korea, the United

<States was blanketed with a large network of "radio range"

<stations used as homing devices by aircraft. The
<transmitters sent a series of dits and dahs while
<switching between two loop antennas at right angles.

<The array was switched and feed in such a way as to produce
<a "dit-dah" pattern if you were off to one side of the
<array, a "dah-dit" pattern if off to the other. You heard
<a steady tone if you were "on the beam" or vectored
<directly at the intersection point between the two loops
<and at an equal angle to each loop. The system depended on
<the ears of the pilot and his system of maps and charts.
<As the pilot made his way to one point on the map,
<he would tune to the next "radio range" transmitter,
<which identified by morse every three minutes,
<and "follow the beam" to that point.

<The BC-1206 and it's like were designed around 1940
<and produced throughout the war in massive amounts
<to provide this "radio range" service for fighter
<and recon aircraft. They were used extensively
<in early P-51s, P-40s, P-47s etc. Most larger,
<bomber-type aircraft integrated radio range receivers
<in their general comm equipment, which is one reason
<why the BC-453 was produced in such massive numbers.

<The many flavors and variants of the BC-1206 were designed
<small so they could fit easily into an instrument panel.
<The screw holes on either side of the round face plate
<were there for securing the rig to the panel. Most
<of the different "model" numbers within the same
<manufacturer's production had to do with changes of
<accessories, antenna connectors, audio output impedance etc.
<During WW-II, the Office of War Production would often
<direct a competing manufacturer to produce their rival's
<set so production would proceed quickly. They worked-out
<patent and license problems later. So you can find
<several manufacturers putting their labels on what is
<essentially the same radio.

<The most common were the Satchel-Carson units, which were
<just about everywhere you didn't have a large multi-channel
<communications array. The early P-51 Mustangs got most
<of the production of "Detrola"-named clones.
<The rarest variants that I know about which are
<still very closely related to the BC-1206 are
<the RCA AVR-100 and -101A, which went into light recon
<and spotting aircraft. They used miniature tubes but
<had the serious draw-back of needing a "C" battery

<for audio output biasing, which made them unpopular.
<Otherwise, it looks very much like and is the same size
<as any BC-1206, though I think it's prettier ;-)

<For more reading on "radio range" systems, consult books
<about aviation communications systems circa 1940s.

<73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Eugene Rippen <soundval@foothill.net>
Subject: INTERESTING FS
Message-ID: <3227BD2F.4CA4@foothill.net>

This really a mixed bag of stuff. Some interesting old gear.

Sargent (AC10 ?) 3 Tube Receiver, 78, 77 and 42. Does not have a power supply, nice panel, original knobs, no cabinet, plugin coils, has one four pin coil and one five pin coils. The 78, 77 and coils are shielded. This was probably a kit. Untested. \$120.

Sargent 8-34 Receiver F-g appearance. Looks complete. Has the Sargent moving stator band spread. As the model number indicates, this is an 8 tube 1934 set. It has three pass through insulators for the antenna connection on the left side at the upper front. I don't know if this was original. Untested. \$250.

Military BC-1031-C Panoramic adapter, Good looking. Appears complete. Untested \$40.

Swan 270B Cygnet Transceiver /Swan Mic /Swan VOX on side /Built in Power Supply. Works. Looks VG. 80-10M. SSB and CW. A complete station ready to go on the air. \$185.

TRIO 9R-59 receiver. /CC8 6M adapter /SP5 Matching speaker. Works \$120.

Hallicrafters S120 receiver. Front looks good, top fair. Play, Hums, appears to need filter capacitors. \$35.

Lafayette HE-52, commercial receiver. 148-175 Mc. FM & AM. Works. \$20.

Weston 605 VOM. Old. Black Bakelite. Full of pin jacks, instead of a function switch. Untested (uses battery, batteries?) \$20.

Drake R4B, Looks very good, works. \$125.

Drake T4XB, Looks very good. Does not work. Appears complete \$75.

Drake AC4 Power supply, works, looks very good. \$55.

Prices do not include shipping.

Eugene Rippen
105 Donnington
Auburn, CA 95603

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Douglas M. Gordon" <dmgordon@electriciti.com>
Subject: Johnson Valiant I case
Message-ID: <1.5.4.16.19960829160520.263724ec@electriciti.com>

Please, can someone help me find a case for my Valiant?

Thank you, Doug K6PUN
dmgordon@electriciti.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Matt Jodziewicz <mattj@oraus.com>
Subject: Loosening Knobs
Message-ID: <01BB95BE.F350BC20@mattj.oraus.com>

Please don't laugh. I know this is not a heavy technical subject but just break one or bend the shaft and see how important it becomes!!

I am trying to loosen the knobs on my SP600 and have learned many new combinations of old favorite words. I have tried oil, WD40, elbow grease and just about every combination of pinch or crowbar that you can imagine to pull the knobs off without damaging the panel or the shaft. If I didn't get one off I would swear somebody welded them on. The one that came off was clean with no corrosion or any visible problems. It appears that there is an annular channel on the shaft near the end, and that it somehow interlocks with the knob. Can anybody give any advice before I go even crazier??

Thanks.

Matt WB2VZS

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Steve Ellington <n4lq@iglou.com>
Subject: Re: Loosening Knobs
Message-ID: <Pine.GS0.3.93.960829190659.21859A-100000@iglou1>

Someone on here taught me how to get knobs off that will turn but not pull off the shaft. I had one that spun freely on the shaft and after trying every tool in the shop including a gear puller, I followed someone's advice and started unscrewing the knob. Yes, It may take an hour for the knob to wear the lump off the end of the shaft but eventually, it will evolve off! Twist, twist, twist and keep a constant , outward pull on the knob. Put on some good music first such as "Twist and Shout"!

Steve Ellington N4LQ@IGLOU.COM Louisville, Ky

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM"
<RAGAIN@hubvx6.sedalia.wireline.slb.com>
Subject: Microphonics in Zenith T/O
Message-ID: <960830162146.2502e9a3@hubvx6.sedalia.wireline.slb.com>

A recent query concerned a microphonic Zenith H500's D000000NNNNNGGGGGGGNNNNNGGG:

Just a couple of nights ago I was working on an R-174 receiver and found it to be very microphonic. The R-174 has a 3V4 in the audio output and that tube was the source. As stated in a followup e-mail, the Zenith H500 uses a 3V4 audio amp also. Maybe that's the culprit in your case, too?

Bob

Bob Ragain WB4ETT Littleton, CO wb4ett@slb.com

=====
In message <9608291624.AA02501@taku> writes:

>
> Finally found the 1U4 I needed for the H500 T/O
> I bought a couple of years ago. This was a \$20 bargain
> and was missing a few tubes and one knob.

>
> Tried it out last night. The good news is the AF amp
> is working, no hum at all.
>
> Bad news is no signals! And the thing is very microphonic.
> D0000000000NNNNNNGGGGGGGGNNNNNNGGGGGGGG will go on
> forever depending on the volume setting.
>

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Bob Roehrig <broehrig@admin.aurora.edu>
Subject: more on the BC348
Message-ID: <Pine.ULT.3.95.960830153517.21155A-100000@admin.aurora.edu>

I guess what started this thread was the question of whether to modify the RF amp stage or not (this has been discussed for other receivers in the past).

Last night I ran some crude tests and it would seem that my 348 has a noise floor of -120dBm approx. I still have the question as to how should the signal generator be set (modulating freq & percentage of modulation).

Today, this led me to wondering on what the antenna impedance of the receiver really. Nowhere does it say in any manuals or write-ups I have. The manual says the antenna capacitance should be between 50 and 200 pf. It later states that for checking the receiver, use a 100pf "dummy load". That hardly answers the question of what the input impedance is.

Again, performing a crude test, it appears that the impedance is around 300 ohms. (I have been doing all my testing at 10.5 MHz).

Using the receiver on a random wire antenna, it hardly matters what the impedance is, but when doing critical bench tests for comparison purposes, it certainly does. Anyone have a better handle on how to cope with different receiver impedances or what a convenient "universal" method of testing sensitivity is? My first inclination is to make a T pad to convert the 50 ohm generator to 300 ohms.

E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: beyer@eceserv0.ece.wisc.edu (James B. Beyer)
Subject: Re: more on the BC348
Message-ID: <v02110100ae4d449990db@[144.92.181.45]>

>I guess what started this thread was the question of whether to modify
>the RF amp stage or not (this has been discussed for other receivers
>in the past).

>

>Last night I ran some crude tests and it would seem that my 348 has
>a noise floor of -120dBm approx. I still have the question as to
>how should the signal generator be set (modulating freq & percentage
>of modulation).

>

Bob,

Sensitivity as defined by Terman for broadcast receivers is the rf voltage(30% AM @ 400Hz) supplied via a dummy load(namely the 100pF capacitor) required to produce 500mW at the audio output. The BC-348 has a spec. sensitivity of 9 microvolts. For you to have improved that by two orders of magnitude by changing the 1st rf to a pentode is, to say the least, phenomenal. I'm sure you don't believe that, and you also suspect that the standards for the two measurements aren't the same. According to the "Bench Test Handbook" for the AN/ARR-11 (BC-348) sensitivity should be measured by using 30% AM 1000Hz via a 100pF capacitor to produce 10 mW at the output. Anyway, fractional microvolt sensitivities are rather meaningless for BC and low HF because the galactic and environment noise is far greater than that.

Back to your question about noise floor, the technique you mention of increasing the output by 3dB is best used with a broadband noise source as the signal generator. This allows one to determine the noise factor directly without the knowledge of the noise bandwidth of the receiver. If one uses this technique with a sinusoidal signal generator then the so called "spot noise factor" is measured and a separate measurement of the noise bandwidth is required to determine the noise factor. (the noise bandwidth is approximately equal to the 3dB bandwidth for most cases but it depends on the passband characteristic)

I would be happy to supply more information to those interested in this subject but I will be going out of town for a couple of weeks. Please contact me directly and I'll respond when I return.

73,

Jim Beyer W9ADJ

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: Bob Rolfness <rsrolfne@atnet.net>
Subject: RE: My several Sale Items
Message-ID: <3226221B.3CB9@atnet.net>

Reference my posting to sell 3 times a few hours ago. The Parks Converter and the Variac have been sold.

Thanks to all who replied to my post. Sorry I didn't have 20 or 30 of the Variacs.

73 's Bob W7VZX

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: National NC-60 wanted.
Message-ID: <UPMAIL03.199608300115400746@msn.com>

Gang, I am sorry to send this to the list, but I need to locate Mike Molaney. Mike, please send me your email ID. as you are the only person it appears on this planet that still has the baby NC-60 for sell.
Nostalgia, crap you guys know how that goes.

Good Nite All
Al fritsche
fritsche@msn.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: Need Lafayette HA-460 Manual
Message-ID: <199608310148.UAA18665@legend.txdirect.net>

A friend needs the manual/schematic/etc for a Lafayette HA-460. Can anyone help? Thanks in advance.

73,
gary

```
<><><><><><><><><><><><><><><><><><>
<> T00 many projects, NOT enough time!! <>
<>
<> Gary H. Harmon, Jr., K5JWK <>
<> 6302 Robin Forest <>
<> San Antonio, TX 78239-3218 <>
<> (210) 657-1549 <>
<> gharmon@txdirect.net <>
```


If efficiency is low at 60Hz maybe it would still make a good 400Hz fo BA mobile with some of the mil gear.

Any power systems EEs out there?

Hey, where's that damn patent attorney when I need him!

Or am I off in the ozone again?

-bob
WB4MNF

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: bill@skeeter.frco.com (William Hawkins)
Subject: Re: Off the wall tech question, sorta BA related.
Message-ID: <9608301806.AA20186@skeeter.frco.com>

Well, the alternator does use a rotating field coil. Less power in the brushes that way. The ones I've seen are three phase for good rectifier efficiency. If it's just a two pole alternator, that's 3600 RPM for 60 Hz or an impossible 24,000 RPM for 400 Hz. So the key question is - how many poles in an automobile alternator?

Regards,
Bill Hawkins

Any hamfests near Austin Texas on 7-8 September?

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: sbrovas@tir.com (sbrovas)
Subject: Palomar 310X Preamp sale
Message-ID: <199608302205.SAA04108@tir.com>

Hi All,

I have a palomar 310X xcvr preamp for sale. Exc condition. 160 to 10 mtrs and works with receiver or in-line xcvr. Price is \$75 shipped.
73's de Bill, WA1APX/8 sbrovas@tir.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: sbrovas@tir.com (sbrovas)
Subject: Partial 117XC Swan spkr supply sale

Message-ID: <199608302206.SAA04199@tir.com>

Hi all,

I have a partial 117xc supply. It is operational. Has speaker, but no cabinet and fused power cord is missing. Was using it with a jumper. It is fully operational and has been used with some Swans. I would like to give it a new home. \$65 shipped UPS.

73's de WA1APX/8, Bill sbrovas@tir.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: k7yha@juno.com (Richard H. Arland)

Subject: Re: Plastic Dial face cleaning

Message-ID: <19960829.230438.4447.4.k7yha@juno.com>

On Thu, 29 Aug 1996 14:55:34 -0500 (CDT) MODSTEPH@ACS.EKU.EDU writes:

>Gang:

>I think someone mentioned a toothpaste and baking soda blend...

>any other suggestions?

Roger, N3PBL, has done four meter faces for me (two on Halli rigs and two on Hammers) along with two plastic covers for the clocks on Hammers with excellent results.

All he does is take equal amounts of toothpaste and baking soda, mashes them together as a paste, then applies a thin coat to the plastic dial and starts working it on a piece of T-shirt material or other soft cloth. It takes a while. Results are not instantaneous, but it works quite well and looks almost new.

73 rich K7YHA

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: Peter Ferrand <petef@sprynet.com>

Subject: Re: Question: CE100V fans

Message-ID: <2.2.32.19960829222709.009c4398@m3.sprynet.com>

At 04:05 PM 8/29/96 -0500, Frank Scutch-EFS003 wrote:

>Hello CE fans:

>

>For those that know a bit about the CE100V, can someone tell me how common
>it is to find this transmitter with the 160 meter factory option? Not the

Hi Frank.

It's almost unheard of. I've looked at every 100V I've passed by at flea markets and paid attention to ads, since I've used 'em as my main BA rig for over fifteen years. In all that time I only saw one such rig, and I bought that one!

73,
-Pete
WB2QLL
petef@sprynet.com

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: Glenn Finerman <GFINER@nms.com>
Subject: R-392 -Reply
Message-ID: <s226bf6c.046@nms.com>

Thanks for the reply on the R392. Would you please explain why you would'nt run the higher plate voltage?
There are quite a few folks who recomend doing this and it seems to make sense, but they could be wrong!

re>
>I purchased an R-392 at flea approx \$150.00. It had one broken wire
>(to the bnc antenna connector) and needed the PT0 re-linearized.
>Other than that - just fine. It is a very good radio, and I'm sorry to see it
>so maligned in many E-mail postings. Reasoning goes like this - 28 V
> The only thing I have measured so far is sensitivity for 10
>db (s+n)/n. Meets Spec at all freq ranges.
> Recommend against any of the mod's I have seen posted, especially
>running the plates 28VDC.

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: badger@telalink.net
Subject: R-392 -Reply
Message-ID: <2.2.32.19960830180101.0068cef8@telalink.net>

Someone unknown commented:
>>I purchased an R-392 at flea approx \$150.00. It had one broken wire
>>(to the bnc antenna connector) and needed the PT0 re-linearized.
>>Other than that - just fine. It is a very good radio, and I'm sorry to see it

>>so maligned in many E-mail postings. Reasoning goes like this - 28 V
 >> The only thing I have measured so far is sensitivity for 10
 >>db (s+n)/n. Meets Spec at all freq ranges.
 >> Recommend against any of the mod's I have seen posted, especially
 >>running the plates 28VDC.

I too would like to know. I have had my two R392s running as much as
 32 volts on the plate since '80 or so. It seems to make them a bit more
 sensitive --
 I need to compare again. It does make for more audio output, though.

As set up with my latest concocted power supply (thermister controlled,
 heat sinked, fan cooled -- small, but too noisy) I am running 23.5 volts on the
 filaments and 30 volts on the plate. Just using trial and error, and no
 technical
 measurements other than my ears, this is what seems to me - on my particular
 receivers -- to give best results. I do have access to a complete RF service
 facility,
 I should do a comparison between different voltages as they relate to
 sensitivity,
 distortion, and other products. Could even sweep tune all the stages and make
 a printout of the results. Some day when I have time.....

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
 From: n5off@w5ddl.aara.org
 Subject: R-392 Contracts
 Message-ID: <451869@w5ddl.aara.org>

Since there has been a good thread on 392's this week, thought I'd post
 the latest 392 contract list. The WE contract rec'd a new high
 serial number this week.

R-392			
Collins	1951	3075-PH-51	1472
Collins	1951	3150-PH-51	8093
Stewart Warner for Collins Radio	1952	11653-PH-52	4670
Reworked By Stewart Warner Electron	1952	44865-PC-59	423
Stromberg Carlson for Collins Radio	1952	11653-PHILA-52-93	7407
Philco	1959	3214-PP-59	466
Dubrow Electronics Industries	1961	52713-PP-61	405
Western Electric	1963	15283-PP-63	1553
Colonial	?	?	0
			24489

Keep those cards and letters coming on contracts and s.n.'s.

Want Nice Hammarlund SP-600
Keeper of Collins receiver contract data for BA.
Reply to: n5off%w5ddl.aara.org@usl.edu
Phone 318-989-3430

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: provero@connix.com
Subject: Re: R-392 problems?
Message-ID: <199608292341.TAA15551@comet.connix.com>

I don't experience these symptoms with either of my R-392s. I do a lot of SWL listening, with a mixture of very strong megawatt stations and weak ones with 5 KHz spacing. No problems digging out the weak ones.....

Many sorts of this "grunge" are actually generated corrosion between dissimilar metals -- street and house wiring, metal sheds, gutters, etc. All it takes are strong local signals.

P.J. "Josh" Rovero home: provero@connix.com
 radio: KK1D

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: d.buska@aaiate.com
Subject: Radio Era Archives - Old QST's on CD
Message-ID: <96Aug30.160818cdt.15374@gateway.aaiate.com>

This is an update to a message recently posted here on the BA List about the QST's on CD ROM (Ray Mack WD5IFS). I just got off the phone with Terry Muncey (WB50AS) the owner of Radio Era Archives (REA) and he indicated that only the QST from 1970 to now will be available soon. He is still working with the ARRL on putting together the indexes for earlier stuff. He thinks it will be sometime in 1997 before all issues will be finally placed on CD ROM's. Although, you can order them now per Ray's original message. All QST's are planned to be in 11 sets (one set may be more than one CD) and not 11 CD's per Ray's message.

I had a very nice long (his dime for the 800 number) talk with Terry. He wanted me to inform all that he does have a web page where all the information on the CD's that they are making can be found.

<http://www.flash.net/~tsm>

Along with his RadioPhile series of CD's which contain old books and such, it looks like I may sometime be able to make the XYL happier by clearing out some of my shelves.

Again, use the web page. Let Terry work on getting those on CD ROMs out.....

73 all,

```
*****
**                                     **
**   Don Buska N900                   Principal Engineer   **
**   d.buska@aaiate.com               Advantest America Inc. **
**   Kenosha, Wisconsin              Buffalo Grove, IL    **
**   (414)654-0072                   (847)821-3393         **
**                                     fax (847)634-2872     **
**                                     **
**   ARRL-LM      AWA      AMI      CCA      QCWA      CSVHFS      NTMS      **
*****
```

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996

From: Sandra L Knepper <slkst29+@pitt.edu>

Subject: RCA 77DX Microphone

Message-ID: <Pine.GS0.3.95L.960830173153.27414E-100000@sol3.cis.pitt.edu>

I have just acquired an RCA 77DX microphone that needs a little bit of restoration work. Even the brown mike cable is not cracked.

I have several questions:

1. What color should the base and top sections be. The color appears to be brown. Is this a brown wrinkle?
2. I thought the 77DX was more polished metal like the one on the Larry King show. Mine must be an earlier version. I should look through my library to find the answer!
3. Typically, what is the value of this microphone?

Thank you.

Dave, W3BJZ

Publisher of the monthly Collins Journal

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Paul Bocci-CPB007" <Paul_Bocci-CPB007@email.mot.com>
Subject: RME-45 Manual
Message-ID: <Macintosh */PRMD=MOT/ADMD=MOT/C=US/@MHS>

Hi Folks,
I stopped in at the Elgin Radiofest this morning on the way to work and ended up with a reasonably complete but in definitely poor shape RME-45. One of those things that could not be passed up for the price (10 bux). I am certain that to do anything with this beauty, I'm going to need a manual, hence this plea for help: Anybody got one available for copying?

While I'm at it, there is a part it will definitely need, the bandsread dial has a couple of bites missing out of it. Are there any parts radios out there that might be donors?

Thanks

73 es ZUT
Paul, K9NO
CPB007@email.mot.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: sbrovas@tir.com (sbrovas)
Subject: sale Swan 750CW w/psu3 spkr-supp
Message-ID: <199608302330.TAA15882@tir.com>

>To: boatanchors@the.porch
>From: sbrovas@tir.com (sbrovas)
>Subject: sale Swan 750CW w/psu3 spkr-supp
>

>Hi all,
> I have a SWAN 750cw with PSu3 spkr/supply for sale. It is in average condition cosmetically. Don't know if it works. No manual, and it has replaced 6146 tubes instead of high power ones. Some inserts on dials are missing, this is the bad.... cosmetically average shape though. Psu-3 spkr supply in nice shape. Price shipped is \$150 UPS. RSVP sbrovas@tir.com
>73's de Bill, WA1APX/8
>

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Gary H. Harmon, Jr." <gharmon@txdirect.net>
Subject: SB-221 10m Mod
Message-ID: <199608302356.SAA10721@legend.txdirect.net>

Anybody have a copy of the mod sheet/schematic/pictorials/etc for the mod to add 10m to the SB-221? I got a copy of the SB-221 manual from W7FG and it does not have the mod info. Hope you can help.

Thanks in advance and 73, gary

[illegible]

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: "Allan Fritsche" <fritsche@msn.com>
Subject: So you want to be a Ham
Message-ID: <UPMAIL03.199608300044200132@msn.com>

Gang, Thanks to all that said they would like to help me get a license. I really appreciate that more than I can say.

I think with a little study, I can can get past the technical part and believe it or not I was able to take random code patterns from my PC about two years ago at about 11 wpm.

Can one of you guys, give me the latest scoop on what it takes today to get a ticket.

BTW, had one in 1961, Novice, expired before, could pursue.

Thanks in advance
Al fritsche
fritsche@msn.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996
From: pmills@cyberhouse.com (Phil Mills)

Subject: Re: So you want to be a Ham

Message-ID: <199608300123.UAA27872@ns.cyberhouse.com>

Al, you really miss the big point...instead of just repairing and resurrecting receivers, you get to do the same for transmitters! Remember, we are your friends and are concerned about your welfare....divorce is only a minor blip on the scope of life...

73, Phil

BTW, I got my Amateur Extra class at the age of 16....from the theory standpoint, it took me about two months of reviewing the question pool stuff you buy today to get my AE back again at the age of 50.... let me tell you, it felt better at 16 as I knew I had earned something.

>Gang, Thanks to all that said they would like to help me get a license.

>I really appreciate that more than I can say.

>

>I think with a little study, I can can get past the technical part and believe

>it or not I was able to take random code patterns from my PC about two years

>ago at about 11 wpm.

>

>Can one of you guys, give me the latest scoop on what it takes today to get
>a ticket.

>

>BTW, had one in 1961, Novice, expired before, could pursue.

>

>Thanks in advance

>Al fritsche

>fritsche@msn.com

>

Phil Mills, AB5TH

pmills@cyberhouse.com

713-992-5762

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: k7yha@juno.com (Richard H. Arland)

Subject: Re: So you want to be a Ham

Message-ID: <19960830.105457.4439.5.k7yha@juno.com>

On Thu, 29 Aug 1996 20:25:47 -0500 (CDT) pmills@cyberhouse.com (Phil Mills) writes:

>Al, you really miss the big point...divorce is only a minor blip on the scope of life...

>

Divorce builds "character".....it also frees up your bank account (as long as your lawyer is better than her's)!

Just a thought.

73 rich K7YHA

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: Terry Gaiser <gaiser@lightspeed.net>

Subject: Stereo Pre-Amp

Message-ID: <32261E5F.6145@bak2.lightspeed.net>

Have a Dynakit 70 stereo amplifier, I NEED a suitable tube type STEREO pre-amp. Anybody got one for sale please ?

Thanks,

Terry - N6UR

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996

From: Witmerjr@aol.com

Subject: Summary of SB-200 50 Mhz Convert Info, 2 Watt Resistor Tx

Message-ID: <960830141913_513049201@emout17.mail.aol.com>

Hello Fellow SB-200 "Conversionists" & Thanks for all the 2 Watt resistor help!

I have received several queries on conversion of the SB-200 for operation on 6 meters and thought I'd summarize what I've found.

I know of three published conversion articles. Listed below is a summary each.

"Using The Heath SB-200 Linear On Six Meters"

by Henry Blodgett, W2UTH/W2FRL in January 1969 QST.

Operation on HF is maintained - 40 meters is eliminated and the taps are moved up on the band switch so that a spot for 6 meters is available. A tap is added to the 10-15 meter coil for 6 meter operation. Plates are removed from the existing tuning cap to allow coverage of 6 meters. The 40 meter input coil is re-wound and the associated capacitor is changed.

With 900 watts of input power (Driven by a Heath SB-110) 450 watts output is

obtained.

"Improvements to Using the Heath SB-200 Linear on Six Meters",
by Ron Klimas, WZ1V, published in the 1995 Eastern VHF/UHF Conference
Proceedings

This article provides Ron's experience with the QST conversion. Ron states
that he has been using the converted SB-200 on 6 & 75 meters since 1982.

Ron recommends removal of the SWR/Relative Power monitoring circuitry, the
usage of coaxial SPDT relays to replace the original open frame type relays
and the usage of good quality coax in the RF output circuit. With these
changes a major improvement in RF efficiency is obtained: 600 watts out
instead of 400, He also recommends new plate parasitic suppressors, beefing
up the cooling and replacing the HV rectifier stack.

I believe both of these articles are available from the ARRL for a nominal
charge.

"Six-Meter Conversion of the Heathkit SB200 Linear Amplifier"
by Louis Savioe, K1RAK in November 1971 Ham Radio magazine.

This conversion is more extensive. It replaces the existing output PI
network with new capacitors and coil and HF operation is no longer possible.
The plate parasitic suppressors are modified. The 10 meter input coil is
modified and the associated capacitor is changed. A RG-8/U coax run and a
Z-50 RF choke are added.
600 watts out for an SB-110 drive power of 60 watts is obtained.

Since HR was bought by CQ you might be able to get a reprint/copy of the
article from them - I haven't checked this out.

Conversion Success/Problems

I have yet to hear from anyone who has had extensive problems with the QST
article conversion. I have heard from several who have instability problems
with the HR article conversion - including me. My next step is to
incorporate several of WZ1V's recommendations into the HR conversion to see
if that improves stability!

Let me know how you make out with your conversions - maybe jointly we can
optimize both conversions!

73 & Good Luck!

Bob

W3RW

witmerjr@aol.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Walt Novinger <waltn@earthlink.net>
Subject: Re: SX-28 Cabinet Finish and Color?
Message-ID: <2.2.32.19960831045926.0069c7cc@earthlink.net>

At 05:58 AM 8/29/96 -0500, you wrote:

>I just picked up an original cabinet for my Hallicrafters SX-28 restoration
>project, but unfortunately somebody has repainted the cabinet. From what I
can tell
>the original was done in a dark gray sort of stipple finish (not quite a
wrinkle),
>similar in color to the National NC-240D. Does anybody know what color and
texture
>the 28's came in?
Tom,

My SX-28A's cabinet is indeed a grey color, but nothing like the color of any
of the 240D's I've had. It's a medium grey with a relatively smooth stipple
finish. I have also had SX-28As with seemingly original _black_
cabinets...go figure.

Walt

=====

Walt Novinger	Real Radios Keep You Warm At Night!
Collector of hollowstate communications receivers and test equipment	
waltn@earthlink.net	wnovinger@shl.com CI\$: 73340,2015

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Tek plug-ins
Message-ID: <9608301811.AA23466@feller>

- Greetings -

I just returned from the Duke University surplus and salvage operation. There are about 25 scope plug-ins, mostly Tektronix, mostly letter series, and mostly for the 530 types. There were a couple for the 660 series. All tubes were missing and most or all of the tube shields were missing. The only good part is that they are \$10 a piece. If anyone wants to take potluck on the whole batch, I shall be glad to try to get them and ship them for the cost \$250 plus shipping. Be assured it is potluck.

73

Rhett George - KE4HIH

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: The BC-1206 LF Receiver
Message-ID: <199608301238.FAA26301@dfw-ix3.ix.netcom.com>

You wrote:

>...a couple of receivers...
>that were made by Setchel-Carlson.
>Even though they are almost identical,
>one is designated a model 524 and
>the other is a BC-1206C.
>.....Anyone have any ideas what
>these were used for,
>and about when they were made?

Between the late 1920s and on past Korea, the United States was blanketed with a large network of "radio range" stations used as homing devices by aircraft. The transmitters sent a series of dits and dahs while switching between two loop antennas at right angles.

The array was switched and feed in such a way as to produce a "dit-dah" pattern if you were off to one side of the array, a "dah-dit" pattern if off to the other. You heard a steady tone if you were "on the beam" or vectored directly at the intersection point between the two loops and at an equal angle to each loop. The system depended on the ears of the pilot and his system of maps and charts. As the pilot made his way to one point on the map, he would tune to the next "radio range" transmitter, which identified by morse every three minutes, and "follow the beam" to that point.

The BC-1206 and it's like were designed around 1940

and produced throughout the war in massive amounts to provide this "radio range" service for fighter and recon aircraft. They were used extensively in early P-51s, P-40s, P-47s etc. Most larger, bomber-type aircraft integrated radio range receivers in their general comm equipment, which is one reason why the BC-453 was produced in such massive numbers.

The many flavors and variants of the BC-1206 were designed small so they could fit easily into an instrument panel. The screw holes on either side of the round face plate were there for securing the rig to the panel. Most of the different "model" numbers within the same manufacturer's production had to do with changes of accessories, antenna connectors, audio output impedance etc. During WW-II, the Office of War Production would often direct a competing manufacturer to produce their rival's set so production would proceed quickly. They worked-out patent and license problems later. So you can find several manufacturers putting their labels on what is essentially the same radio.

The most common were the Satchel-Carson units, which were just about everywhere you didn't have a large multi-channel communications array. The early P-51 Mustangs got most of the production of "Detrola"-named clones. The rarest variants that I know about which are still very closely related to the BC-1206 are the RCA AVR-100 and -101A, which went into light recon and spotting aircraft. They used miniature tubes but had the serious draw-back of needing a "C" battery for audio output biasing, which made them unpopular. Otherwise, it looks very much like and is the same size as any BC-1206, though I think it's prettier ;-)

For more reading on "radio range" systems, consult books about aviation communications systems circa 1940s.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Spencer Petri <spetri@e-tex.com>
Subject: Re:To much STUFF!
Message-ID: <m0uwasd-0002FxC@e-tex.com>

Fellow weight lifters,

My theory is that when we get enough STUFF we die (Our mission on earth completed). Personally I can't get enough.

73 de Pete WA5JCI

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Rhett T. George" <rtg@ee.duke.edu>
Subject: Too much stuff?
Message-ID: <9608302028.AA16167@feller>

- Greetings -

I side with those who believe that Hammarlund will build no more receivers, Meissner will build no more kits, GE will build no more 211s, etc. Save what is out there. Every club needs at least one ham with barn who will accept as annual rent for a space his membership fee for the year.

I was in the Durham FM Association for only a few months when one advised in the newsletter that he was moving to Florida and it all had to go. That I am a packrat is not much of a secret. An appointment was made, my son and I drove out in the late, lamented sturdy Stude 1/2 ton, long bed pickup and filled it. When the springs were extended out flat, it had a little over 1000 lbs in the bed and that is the way it was - - on each of the three trips. The alternative for this gear seemed to be the dumpster.

What about the largesse? Four of the five tall rack cabinets are gone to new uses. The fifth and last awaits finishing and employment in the local association. Other stuff has been given away, a bit sold for usually low prices, some has been used. The Motorola tube type mobile 2 m transmitter section has been fitted with a rock suitable for a local repeater. It works fine. The 4-element home-made beam tuned up well at 146 MHz.

I do not know who will be the lucky recipient of the pile when I no longer keep it, but almost every item has been mentioned in this or another of the ham/radio/electronic venues. Keep the faith, it will be used.

73

Rhett - KE4HIH

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Steve Ellington <n4LQ@igLou.com>

Subject: Trade FT-1000MP for BA?
Message-ID: <322774DF.7A33@igLou.com>

I am willing to consider a trade of my FT-1000MP for some high-end BA gear such as Collins KWS-1, 75A-4, 51S, 100V/200v, etc. The MP's value is \$2500 including the Collins 500hz mechanical filter. It's age is about 6 weeks. Send any offers via private e-mail to.

Steve Ellington N4LQ@igLou.com

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: Robert Nickels <ranickel@mwci.net>
Subject: Village Radio manuals and stuff
Message-ID: <32277104.7DEF@mwci.net>

Disclaimer: the following post relates to a sand-state device!
Read at your own peril! I feel justified in posting it to the BA list because any SS device that weighs this much and comes with an optional self-destruct device ought to be OK, just this once...

- - - - -

Got my "Village (people) Radio", the HT-1A, all eighteen bucks worth yesterday. Boy, what a nifty little rig - thanks to whoever posted the info about Kal Tech having these babies on the list!

I happen to have - thanks the the treasure trove of original Hallicrafters manuals that followed me home from Peotone - the operating manuals for the HT-1A, if anyone else would like a copy. These radios were built by the Radio Industries subsidiary of Hallicrafters and while the range is spec'ed as 30-40 Mhz, it looks like it should be fairly easy to put them on 6 (10 should be possible w/o modification). Maybe someone already knows if 6 can be done - it looks like the Rx RF coil and the OSC and TX final tanks would need tweaking, and the caps are fixed micas right across the slug-tuned coils, pretty easy to get at if necessary.

Now for crystals. Tx is straight-thru, and Rx is op freq - 13.945 for a 14.4 Mhz first IF. Given the price of crystals will probably exceed the price of the radio, it might make sense to place a group order to try to get a better deal. Anyone interested? I'm thinking 50.4 Mhz - these are AM, 'natch!

Please shoot me a private e-mail if you're interested in:

- a) HT-1 manual copy
- b) group purchase for 50.4 Mhz. rocks after I see if it works

And we'll take any further discussion off the list. Besides, it spoils a guy to work on a radio with no B+!

73, Bob KEOT
ranickel@mwci.net

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Gary J. Youney" <72302.2164@CompuServe.COM>
Subject: Warrior Help
Message-ID: <960830174303_72302.2164_DHR58-1@CompuServe.COM>

Help!

I'm having a strange problem with a Heathkit Warrior linear I'm restoring: The HV is too high! With the 811A's idling at 100 ma, the voltage is 2200 instead of the 1600 it should be.

The voltage reading seems to be correct, as I've replaced the resistors in the HV voltage divider circuit (in series with the bleeder).

Both the power transformer and the swinging choke are original. And I've tried 866A's, 3B28's, and solid state (wash my mouth out) replacements.

Any suggestions? (I could live with it, I guess, but the oil HV cap is only rated for 2 KV DC.)

73, Gary

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: EdKnobloch@gnn.com (Edward Knobloch)
Subject: Re: Warrior Help
Message-ID: <199608302212.SAA01737@mail-e2b-service.gnn.com>

> Gary 72302.2164@compuserve.com reports that his
> Heath Warrior has too high a high voltage, 2200V
> instead of around 1600 VDC.

One possibility, assuming the voltage reading is correct, is that the HV choke may be shorted. If that is the case, you now have a capacitor filter, instead of a choke input filter. The capacitor will charge up to the peak value of the pulsating dc it sees coming from the rectifier tubes. The problem here, is that mercury vapor rectifiers hate to see capacitance across them. You may get a funny color discharge inside the tubes, and shortened life.

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: "Howard R. Weeks" <weeksh@primenet.com>
Subject: Warrior Help
Message-ID: <199608310159.SAA15171@primenet.com>

I would check to make sure the bleeders are doing what they are supposed to.

Howard Weeks K5JCP
weeksh@primenet.com
---Howard Weeks
weeksh@primenet.com

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: tomrice@netcom.com (Tom R. Rice)
Subject: What should we have done, indeed.
Message-ID: <199608301803.LAA00543@netcom11.netcom.com>

>
> Recently my ham club had an auction. One of the members had died and left
> all his radio stuff to the club.
> boxes of resistors, capacitors, etc. that sold.

[Edited out for brevity]

>
> it to the sale site. We thought about hauling the leftovers to a flea
> market, but decided there was too much to haul and it was too junky looking
> to be worth the haul anyway.
>

When I moved out to the boonies, there was only one other ham in the area, Bob Carter W6NTU, who died a few years later. After his kids, non-hams, cleaned out Bob's rathole of a place, there was still a lot of "junk" that I was allowed to raid before the place was let to a new tenant. Bob was also a builder and his stuff wasn't all that pretty either, but it was built of quality parts, so I spent many a happy hour taking it all apart, rescuing gobs of meters, variable condensers, knobs, dials, etc., etc. (That's where I got those T-40 tubes and the LM Freq Meter that sits on my shelf.)

Now that I'm big on building regens and basic xmtrs, I draw on this marvellous stock of period parts and my rigs not only have 1930-style circuitry but they have period panels, meters and knobs, too.

So, without rancor, I'd have to suggest that your club blew it big-time, unless, of course, your builder guy used only imported parts and Radio Shack meters, etc.

The practical aspects of disposal/dispersal are another matter, for which I'm sure other listmembers will have plenty of suggestions ;-). I'll volunteer for SF Bay Area work of this sort in return for 20% of the material retrieved!

i

73 de WB6BYH

--

"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

CIS: 71160,1122

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996

From: "Ray L. Mote" <rmote@rain.org>

Subject: Re: What's a BC-1206

Message-ID: <Pine.SUN.3.94.960830072700.26124A-100000@coyote.rain.org>

Another responder gave the frequency range correctly. What hasn't yet been said (unless it's in the next Digest which is being built right now) is that it was a "carry-on" item used in ferrying aircraft. The pilot taking that brand-spanking-new B-17G or P-51 or whatever would bring it aboard, hook it up, and then he or she would merrily take to the clouds. On landing, it would leave with the ferry pilot.

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: "Bob Ragain, 303-470-2534, RAGAIN@SEDALIA.OMNES.SLB.COM"

<RAGAIN@hubvx6.sedalia.wireline.slb.com>

Subject: What's a BC-1206?

Message-ID: <960829155011.25031737@hubvx6.sedalia.wireline.slb.com>

I recently got a couple of receivers at a local hamfest that were made by Setchel-Carlson. Even though they are almost identical, one is designated a model 524 and the other is a BC-1206C.

They continuously tune 200 to 400 kHz in one band and have five tubes: 2 each 14H7, a 14J7, 14R7 and 28D7. Operation is from 28 vdc for both filaments and

B+.

The receivers are physically compact, only about 5" by 5" by 7", and apparently plugged into something else.

Both operate ok after swapping around some bad tubes.

Anyone have any ideas what these were used for, and about when they were made? Aircraft beacon receivers, maybe? Any references found on the Web would be appreciated.

Thanks,

Bob

Bob Ragain WB4ETT 303-794-4396 (home) wb4ett@slb.com

From boatanchors@theporch.com Fri Aug 30 07:36:04 1996

From: aa4rm%amos@mathcs.emory.edu (AA4RM's)

Subject: Re: What's a BC-1206?

Message-ID: <9608301034.AA07818@amos>

Bob,

They were LF 'beacon band' navigation receivers. You know the 'beam' sent out from a two-array ground site that gave you a continuous tone if you were "on the beam" (source of term) or an A (dit dah) or a N (dah dit) if left or right. Aviators then had to know CW... and even today the omni stn.s CW-ID (vy fast)

I believe I read the last of these LF stations was decommissioned in Central America a couple of years back. They were disappearing fast when I was a kid in the 50s. I remember the demise of the Indian Hills, OH stn. about 1961

Ohhhh reminisce, reminisce - but it was a neat deal. And so too was the 'all-28v' Setchel Carlson. Hey I think you can get BBC & foreign BC with the thing.

Marty

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996

From: badger@telalink.net

Subject: Re: What's a BC-1206?

Message-ID: <2.2.32.19960830130938.0069089c@telalink.net>

>I believe I read the last of these LF stations was decommissioned in
>Central America a couple of years back. They were disappearing fast
>when I was a kid in the 50s. I remember the demise of the
>Indian Hills, OH stn. about 1961

There are still NDB's - Non Directional Beacons that are in use today
in that band. Nashville is on 304kc with BN beacon for example.
I can hear several from my location in town on my BC-314.
Also have a couple of the BC-1206 receivers, they seem to work fine
down to 12 volts even, so have on occasion stuck one in the car for long
trips (when the power line buzz from my AM broadcast radio just wasn't
enough of a pain.....) to attempt to hear beacons enroute. Works fairly well
on the puny (wavelengthwise) AM antenna.

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Garey Barrell, K40AH" <75025.73@CompuServe.COM>
Subject: Where ??
Message-ID: <960830180428_75025.73_FHD73-1@CompuServe.COM>

Jan Skirrow wrote....

>It is really helpful if folks listing things
>for sale also provide their location. A ham call
>is a hint, but a town would be better.

>My experience buying things from the list is that
>there is rarely any time to query QTH before the
>item is sold. As the shipping cost is often more
>than the cost of the item, where it's coming from
>is an important part of a decision to go after
>something. This is really important for big heavy
>suckers that I'd want to pick up because the
>shipping would be outta sight.

I second the motion!!!

73, Garey - K40AH
75025.73@compuserve.com
Atlanta

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: dma@IslandNet.com (Jan Skirrow)
Subject: Where Is Everyone???
Message-ID: <m0uwWob-000VvTC@comm.amtsgi.bc.ca>

I know this has been said before, but ...

It is really helpful if folks listing things for sale also provide their location. A ham call is a hint, but a town would be better.

My experience buying things from the list is that there is rarely any time to query QTH before the item is sold. As the shipping cost is often more than the cost of the item, where it's coming from is an important part of a decision to go after something. This is really important for big heavy suckers that I'd want to pick up because the shipping would be outta sight.

Thanks

Jan Skirrow, VE7DJX
dma@islandnet.com

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "B. D. Hall" <BDHall@ghgcorp.com>
Subject: Re: Where Is Everyone??? (SHAMELESS QTH.BAFOLKS plug)
Message-ID: <3227415D.46C6@ghgcorp.com>

Jan Skirrow wrote:

> It is really helpful if folks listing things for sale also provide their
> location. A ham call is a hint, but a town would be better.

Are you always wondering about people's QTH? Need to look up an e-mail address? Wondering what someone's call is? Always pestering Jack for e-mail addresses because your mailer is wierd? Weeeelllll, have I got a deal for you!

It slices, it dices, it gives last name, first name, call or calls, e-mail addresses, town/city, state/province, and country. And wait, there's more!

If you act now, we will even throw in a complete index of the Boatanchor archives. (sorry, all out of Popeil Pocket Fishermen) What would you expect to pay for such a deal? \$99.95? \$79.95? NO WAY! The QTH.BAFOLKS listing and boatanchor archive index is all yours for the amazing low price of an e-mail message to the our friendly operators at the list processor.

To get your copy of the QTH.BAFOLKS list and the boatanchor index delivered

right to your computer, send a message to listproc@theporch.com, thats LISTPROC@theporch.com (not boatanchors@theporch.com) with the following in the body of the message:

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get boatanchors QTH.BAFOLKS
index boatanchors
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Hit send and our friendly listproc will send your QTH.BAFOLKS out within 24 hours. Your satisfaction is guarenteed or double your confusion back!

73,
Ben (in a really wierd mood)
--

```
*****
* Benjamin D. Hall, Houston Texas          *
* BDHall@GHGCorp.com BHall@GP802.jsc.nasa.gov *
*****
```

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: Liles Garcia <liles@bitinc.com>
Subject: Where Is Everyone???--Additional Request
Message-ID: <199608301739.KAA13835@bit.bitinc.com>

Good morning Everyone,

I would like to echo Jan Skirrow's message from earlier this morning. Please add a location to "For Sale" postings so that potential buyers can think about shipping. If I decided to sell one of my real heavy receivers or even a "two-part" receiver such as an old SP-200, the shipping becomes expensive and sometimes a real physical challenge. Personally I am hesitant to ship because I would not like one of my receivers that I am attached to getting damaged in shipment. On the other hand, I would not like t receive something damaged in shipment. Out here in Oregon, the area is " W7 and K7 ", but the same calls are in Phoenix also which is a trip over the Rocky Mountains and probably some other mountains in addition. An added benefit to adding locations is the seller may be in the same town with you!!! Anyway, a public " Thank You " to Jan and hopefully another input.

Best wishes for a good Labor Day weekend,
and Regards from Aloha, Oregon,

Liles Garcia
liles@bitinc.com

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: pmills@cyberhouse.com (Phil Mills)
Subject: WTB: Tek plug-n
Message-ID: <199608301600.LAA05255@ns.cyberhouse.com>

I need any one of the folling Tek plug-ins for my 560. Does anyone have one to sell?

3A1
3A2
3A6
3A72
3A75

thanks,
Phil
Phil Mills, AB5TH
pmills@cyberhouse.com
713-992-5762
Friendswood, TX (just south of Houston)

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: Dave Hutchison <djhutch@cris.com>
Subject: WTB: Drake Noise Blanker
Message-ID: <3226E626.27F3@concentric.net>

I am interested in a Drake noise blanker for the C line.

73's

Dave Hutchison KW9U

From boatanchors@theporch.com Fri Aug 30 23:12:30 1996
From: arc5@ix.netcom.com (David Stinson)
Subject: WWII Navy Transmitter
Message-ID: <199608302115.0AA03561@dfw-ix6.ix.netcom.com>

Can any of you wise folks help this fellow?
I don't know this Navy transmitter, but sounds
like we need to grab it before it goes to the dump.
73 Dave AB5S

From: philkeys@olympus.net (Phil Keys)

I'm asking this for the widow of a local ham. '
He left her a WWII Navy AM
transmitter in like new condition.
Maybe some of you boat anchor
followers could give her an idea of its value.

Navy CG-52206 HF Radio Transmitter dated 3/24/44

CG-20122 Rectifier Power Unit

Transmitter and Power Unit are cabled together, looks ready to operate.

Thanks
Phil Keys
KJ7ET

--
philkeys@pt.olympus.net (Phil Keys) KJ7ET Jeff Co Search & Rescue
Software Consultant - specializing in software safety & SQA
Port Hadlock, WA 98339 (206) 379-8650 122 44.0W 48 02.0N
---- End Forwarded Message

From boatanchors@theporch.com Fri Aug 30 14:32:51 1996
From: "Deane D McIntyre" <dmcintyr@acs.ucalgary.ca>
Subject: Re: Zenith H500 Trans-Oceanic ... theremin? (help)
Message-ID: <9608301758.ZZ38966@ds1.acs.ucalgary.ca>

In message <9608291624.AA02501@taku> writes:

>
> Finally found the 1U4 I needed for the H500 T/O
> I bought a couple of years ago. This was a \$20 bargain
> and was missing a few tubes and one knob.
>
> Tried it out last night. The good news is the AF amp
> is working, no hum at all.
>
> Bad news is no signals! And the thing is very microphonic.
> D0000000000NNNNNNGGGGGGGGNNNNNNGGGGGGGG will go on
> forever depending on the volume setting.
>

I got one of these beasts working a few months ago. The tube

lineup in mine (and most likely yours) is:

1U4 RF
1L6 Converter
1U4 IF
1U5 Detector/Audio
3V4 Audio Out
50A1 Ballast.

The rectifier is selenium...these sometimes go bad (high internal resistance) so check for proper B+ (around 90 volts). If the audio is OK then most likely (assuming that the Wavemagnet and whip antennas are properly connected) one of the 1U4's or the 1L6 is bad....lets hope that it is a 1U4 as 1L6's seem to be almost as scarce as 6D5's* now. In my radio the 1L6 had been replaced by a 1R5..will sort of work on the lower frequencies but is quite deaf above 10 Mc. I was lucky and found a good 1L6 pull in a batch of tubes I had brought at the ham club auction.

The microphonic problem is likely a tube (1U5 most likely) but variable caps can also be microphonic.

* The 6D5 was announced by RCA in 1935 along with the first metal octal tubes. It was a audio output triode similar to the 45 except that it was a heater type tube. As far as I know they were never commercially available. Only tube listing that I have seen that includes the 6D5 is the (1936) revision of Ghirardi's Modern Radio Servicing.

73, Deane D McIntyre
dmcintyr@acs.ucalgary.ca